

Sequence Listing

SEQUENCE LISTING

<110> HONDA, Mitsuo
MATSUO, Kazuhiro
KANEKIYO, Masaru

<120> A recombinant BCG vaccine

<130> 2005-0221A/WMC/00653

<140> 10/524,586

<141> 2005-02-15

<150> JP2002-237610

<151> 2002-08-16

<160> 5

<210> 1

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of artificial sequence: Synthetic oligonucleotide

<400> 1

aatggatcct atagtgcaga acctc 25

<210> 2

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of artificial sequence: Synthetic oligonucleotide

<400> 2

aatgggccct tacaaaaactc ttgctttatg g 31

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<211> 706

<212> DNA

<213> Artificial Sequence

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<221> CDS

<222> (5)..(700)

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<223> Description of Artificial Sequence: Synthetic polynucleotide

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	Pro	Ile	Val	Gln	Asn	Leu	Gln	Gly	Gln	Met	Val	His	Gln	Ala	Ile	
	1				5				10					15		

tcg	ccg	cgc	acc	ctg	aac	gcc	tgg	gtc	aag	gtc	gtc	gag	gag	aag	gcc	97
Ser	Pro	Arg	Thr	Leu	Asn	Ala	Trp	Val	Lys	Val	Val	Glu	Glu	Lys	Ala	
								1								

	20	25	30	
ttc tcg ccg gag gtc atc ccg atg ttc tcg gcc ctg tcg gag ggc gcc	145			
Phe Ser Pro Gln Val Ile Pro Met Phe Ser Ala Leu Ser Glu Gly Ala				
35 40 45				
acc ccg cag gac ctg aac acc atg ctg aac acc gtc ggc ggc cac cag	193			
Thr Pro Gln Asp Leu Asn Thr Met Leu Asn Thr Val Gly Gly His Gln				
50 55 60				
gcc gcc atg cag atg ctg aag gag acc atc aac gag gag gcc gcc gag	241			
Ala Ala Met Gln Met Leu Lys Glu Thr Ile Asn Glu Glu Ala Ala Glu				
65 70 75				
tgg gac cgc ctg cac ccg gtc cac gcc ggc ccc atc gca ccg ggc cag	289			
Trp Asp Arg Leu His Pro Val His Ala Gly Pro Ile Ala Pro Gly Gln				
80 85 90 95				
atg cgc gag cct cgc ggc tcg gac atc gcc ggc acc acc tcg acc ctc	337			
Met Arg Glu Pro Arg Gly Ser Asp Ile Ala Gly Thr Thr Ser Thr Leu				
100 105 110				
cag gag cag atc ggc tgg atg acc cac aac ccg ccg atc ccg gtc ggc	385			
Gln Glu Gln Ile Gly Trp Met Thr His Asn Pro Pro Ile Pro Val Gly				
115 120 125				
gag atc tac aag cgc tgg atc atc ctg ggc ctg aac aag atc gtc cgc	433			
Glu Ile Tyr Lys Arg Trp Ile Ile Leu Gly Leu Asn Lys Ile Val Arg				
130 135 140				
atg tac tcg ccg acc tcg atc ctg gac atc cgc cag ggt ccg aag gag	481			
Met Tyr Ser Pro Thr Ser Ile Leu Asp Ile Arg Gln Gly Pro Lys Glu				
145 150 155				
ccg ttc cgc gac tac gtc gac cgc ttc tac aag acc ctc cgc gcc gag	529			
Pro Phe Arg Asp Tyr Val Asp Arg Phe Tyr Lys Thr Leu Arg Ala Glu				
160 165 170 175				
cag gcg tcg cag gag gtc aag aac tgg atg acc gag acc ctg ctg gtc	577			
Gln Ala Ser Gln Glu Val Lys Asn Trp Met Thr Glu Thr Leu Leu Val				
180 185 190				
cag aac gcc aac ccg gac tgc aag acc atc ctg aag gcc ctg ggt ccg	625			
Gln Asn Ala Asn Pro Asp Cys Lys Thr Ile Leu Lys Ala Leu Gly Pro				
195 200 205				
ggc gcc acc ctg gag gag atg atg acc gcc tgc cag ggc gtc ggc ggc	673			
Gly Ala Thr Leu Glu Glu Met Met Thr Ala Cys Gln Gly Val Gly Gly				
210 215 220				
ccg ggc cac aag gcg cgc gtc ctg taa gggccc	706			
Pro Gly His Lys Ala Arg Val Leu				
225 230				

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<212> PRT

<213> Artificial Sequence

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<223> Description of artificial sequence: Synthetic oligopeptide

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Leu Glu Arg Phe Ala Val Asn Pro Gly Leu Leu Glu Thr Ser Glu
1 5 10 15

<210> 5

<211> 15

<212> PRT

<213> Artificial Sequence

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<223> Description of artificial Sequence: Synthetic oligopeptide

<400> 5

Asn Ile Gln Gly Gln Met Val His Gln Ala Ile Ser Pro Arg Thr
1 5 10 15